For: File Resubmit Date: **Approval** Other. PO No .: GC: Architect: Mech: Engr: Rep: (Project Manager)



Tag No.:





LC429HHV

Job Name/Location:

Single-Zone 3x3 Four-Way Ceiling Cassette with LGRED° Outdoor Unit (ODU) - LUU420HHV, Indoor Unit (IDU) - LCN429HV

Performance:

Cooling:

Cooling Capacity (Min~Rated~Max, Btu/h)	16,800~42,000~49,000
SEER	19.50
EER	12.80

SEER - Seasonal Energy Efficiency Ratio EER - Energy Efficiency Ratio

Heating:

Heating Capacity (Min~Rated~Max, Btu/h)	18,000~48,000~57,600
HSPF	11.60
Max. Heating @ Indoor 70°F DB (Btu/h)	51,400
Outdoor 17°F WB	•
Outdoor 5°F WB	48,000
Outdoor -4°F WB	42,970
Outdoor -13°F WB	35,990

Heating Nominal Test Conditions: HSPF - Heating Seasonal Performance Factor Cooling Nominal Test Conditions: Indoor: 80°F DB / 67°F WB Indoor: 70°F DB / 60°F WB Outdoor: 47°F DB / 43°F WB Outdoor: 95°F DB / 75°F WB

Electrical:

Power Supply (V¹/Hz/Ø)	208-230/60/1
MOP (A)	40
MCA (A)	32
Cooling / Heating Rated Amps (A)	14.6 / 15.1
Compressor (A)	22
Fan Motor (IDU + ODU) (A)	1.3 + (1.6 x 2)
Cooling Power Input (Min~Rated~Max, kW)	0.93~3.28~5.50
Heating Power Input (Min~Rated~Max, kW)	1.17~3.41~5.80
Locked Rotor Amps (A)	33

MOP - Maximum Overcurrent Protection

MCA - Minimum Circuit Ampacity

Piping:

Installed Liquid Pipe (in., O.D.)	3/8 Flare
Installed Vapor Pipe (in., O.D.)	5/8 Flare
IDU Liquid Connection (in., O.D.)	3/8 Flare
IDU Vapor Connection (in., O.D.)	5/8 Flare
Additional Refrigerant (oz./ft.)	0.43
Min. / Max. Pipe Length (ft.) ²	16.4 / 246
Piping Length (no add'l refrig., ft.)	24.9
Max. Elevation (ft.)	98.4
	70.1

- Inverter (Variable Speed Compressor)
 Internal Condensate Pump
 Jet Cool / Jet Heat

 Auto Restart
 Auto Changeover
 Ultra-quiet Turbo Fan
 Night Quiet Function
 Optional Wi-Fi Control Pump • Jet Cool / Jet Heat
- Drain Pan Heater
 Swirl Wind
 Direct / Indirect Wind
 Smart Mode
- Refresh Mode

Included Accessories:

• Wireless Remote Controller - PWLSSB21H

Required Accessories:

☐ Dual Vane Grille Kit - PT-AAGW0

Optional Accessories:

- □ MUITISITE™ CRC1 PREMTBVC0
 □ MultiSITE CRC1+ PREMTBVC1
 □ Standard RS3 Controller PREMTB100
 □ PI-485 PMNFP14A1
 □ Dry Contact PDRYCB320
 □ LonWorks® Gateway PLNWKB100
 □ ACP 5 BACnet Gateway PACP5A000
 □ ACP 5 BACnet Gateway PACP5A000
 □ Untside Air Flange PTVK430
 □ Wi-FI Module PWFMDD200
 □ Low Ambient Kit- PAG-HS4/PAG-HS5
 (Cooling operation to -4°F)10 ☐ Premium Controller - PREMTA000
 ☐ MultiSITE™ CRC1 - PREMTBVC0
 ☐ MultiSITE CRC1+ - PREMTBVC1

Operating Range:

Outdoor Unit:

Cooling (°F DB)	5 ~ 118
Heating (°F WB)	-13 ~ +64

Indoor Unit:

Cooling (°F WB)	57 ~ 77
Heating (°F DB)	59 ~ 81

System Data:

Refrigerant Type	R410A
Refrigerant Control	EEV
Refrigerant Charge (lbs.)	9.26
ODU Sound Pressure	
(Cooling / Heating) (±1 dB[A]) ³	54 / 56
IDU Sound Pressure	
(H/M/L/SL) (±1 dB[A]) ³	46 / 43 / 41 / 39
ODU Net / Shipping Weight (lbs.)	210.9 / 234.1
IDU Net / Shipping Weight (lbs.)	59.5 / 70.5
Grille Net Weight (lbs.)	15.6
Heat Exchanger Coating	GoldFin™

Fan:

ODU Type	Propeller
IDU Type	Turbo
Fan Speeds (Fan/Cool/Heat)	4/5/5
Quantity (ODU + IDU)	2 + 1
Motor/Drive	Brushless Digitally Controlled/Direct
Maximum ODU Air Volume (CFM)	4,238
IDU Air Flow (CFM Max./H/M/L)	1,483 / 1,130 / 953 / 812
Dehumidification (pts./hr.)	7.27

Notes:

- 1. Acceptable operating voltage: 187V-253V.
- 2. Piping lengths are equivalent.
- Piping lengths are equivalent.
 Sound Pressure levels are tested in an anechoic chamber under ISO Sandard 3745.
 All communication / connection (power) cable from the outdoor unit to the indoor unit is field supplied and must be a minimum of four-conductor, 14 AWG, stranded, shielded or unshielded (if shielded, it must be grounded to the chassis of the outdoor unit only), and must comply with applicable local and national codes. 5. See Engineering Manual for sensible and latent capacities. 6. Power wiring cable size must comply with the applicable local and national code. 7. This unit comes with a dry helium charge.

- 8. This data is rated 0 ft. above sea level, with 24.6 ft. of refrigerant line and a 0 ft. level difference between outdoor and indoor units.

 9. Must follow installation instructions in the applicable LG installation manual.
- 10. If the optional low ambient kit is used, one wind baffle is required for each ODU fan.

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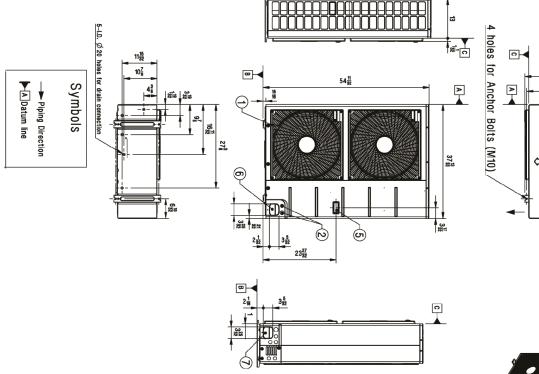
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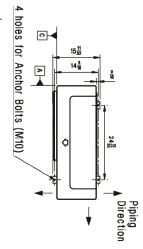


Tag No.: Date:





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). Part Name	Air Outlet	Power and communication cable	Gas Pipe Connection	Liquid Pipe Connection	Handle	Pipe routing hole (front)	Pipe routing hole (side)	Pipe routing hole (back)	Piping	

Hole

Flare joint join 1

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Piping connection port		5
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on por		3
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